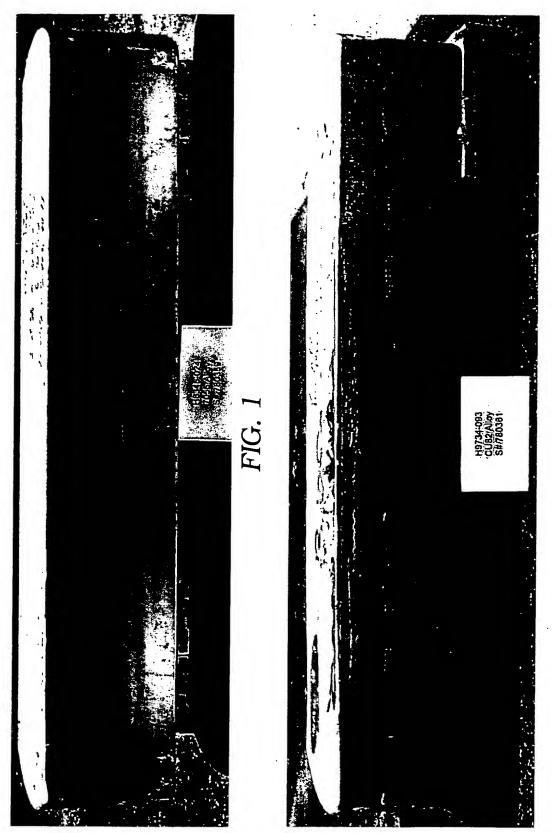
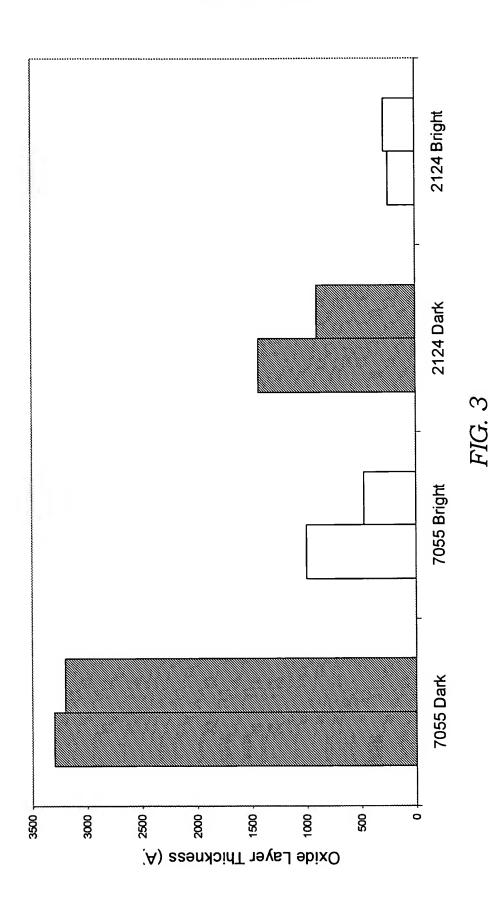
"Method of Preventing Cracking in Direct Chill Cast Ingots" Inventor(s): Ho Yu Alcoa Ref.: 03-0981





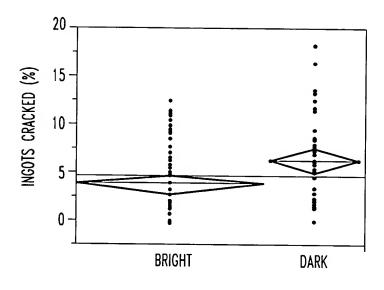


FIG.4

